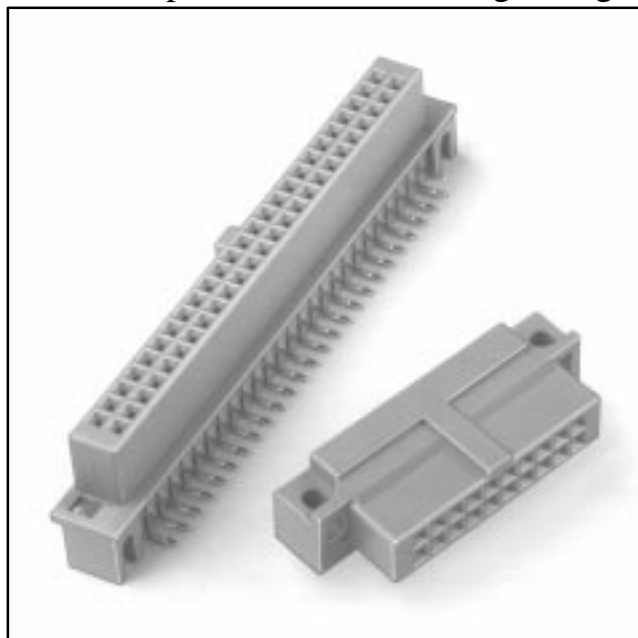


# .100" × .100" Polarized Boardmount Socket

Centerbump Polarization with Right Angle Solder Tails

5100 Series



85

- Centerbump polarization
- Mates with standard low profile shrouded headers
- Part number on each piece
- Optional keying plug
- Eight popular positions
- Mounting flanges

Date Modified: February 19, 1999

TS-0414-08  
Sheet 1 of 2

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## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Flammability: UL 94V-0  
Color: Gray

### Contact

Material: Copper Alloy  
Plating  
Underplating & U-Slot: 2  $\mu\text{m}$  [ 79  $\mu\text{m}$  ] Nickel — QQ-N-290, Class 2  
Wiping Area: 0.3  $\mu\text{m}$  [ 12  $\mu\text{m}$  ] Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: Tin Lead — MIL-P-81728  
**Marking:** 3M Logo, Part Identification Number and Orientation Triangle

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## Electrical

**Current Rating:** 1 A  
**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 Vdc  
**Withstanding Voltage:** 1000 Vrms at Sea Level

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## Environmental

**Temperature Rating:**  $-55^\circ\text{C}$  to  $105^\circ\text{C}$

UL File No.: E68080

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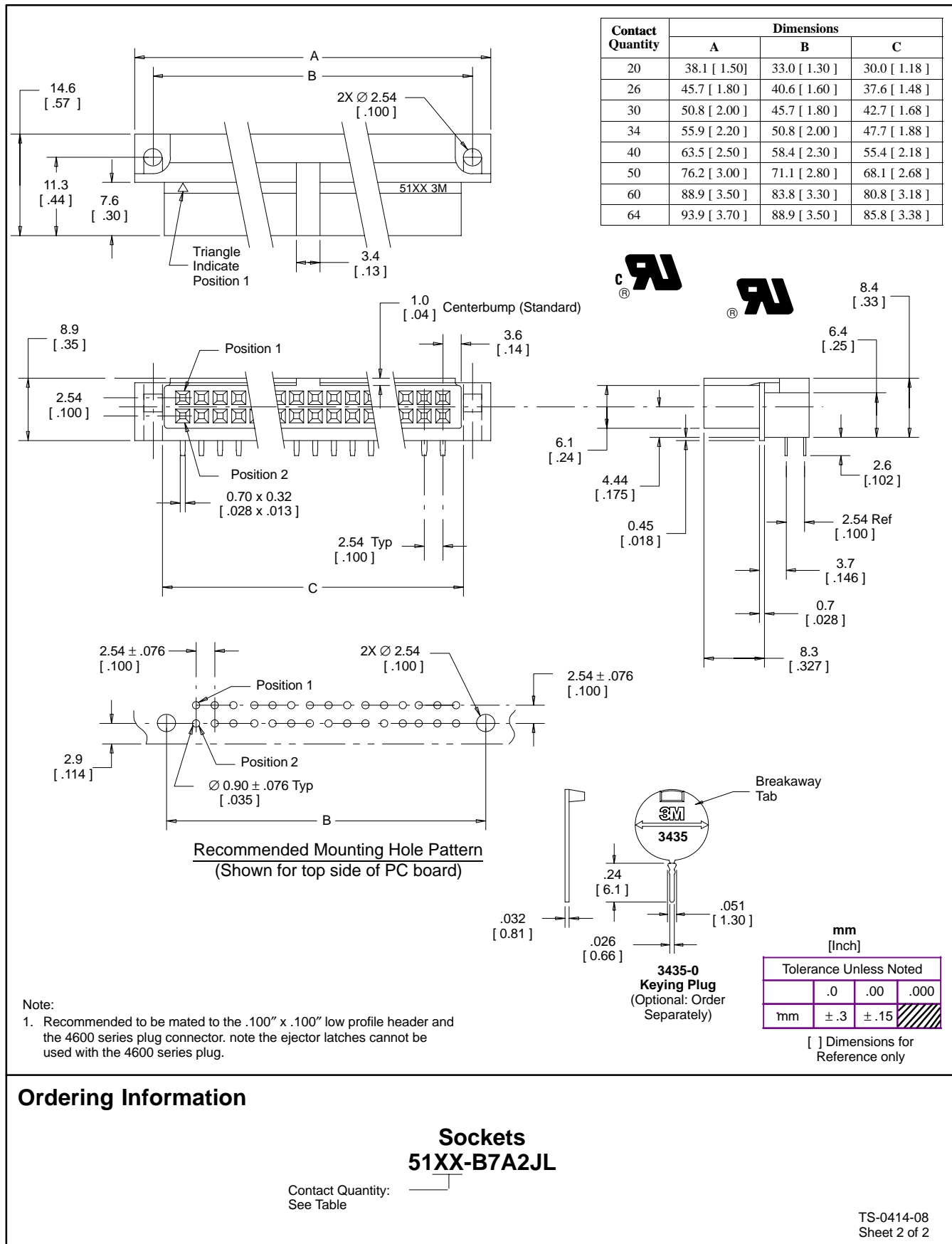
### 3M Interconnect Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000

For technical, sales or ordering information call  
**800-225-5373**

# .100" × .100" Polarized Boardmount Socket Centerbump Polarization with Right Angle Solder Tails

5100 Series



Note:  
1. Recommended to be mated to the .100" x .100" low profile header and the 4600 series plug connector. note the ejector latches cannot be used with the 4600 series plug.

## Ordering Information

**Sockets**  
**51XX-B7A2JL**

Contact Quantity:   
See Table

TS-0414-08  
Sheet 2 of 2

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